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The Arizona Council of Defense

**Its Purposes and a Brief Statement
of its Work, Accomplished
and Under Way**



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The Arizona Council of Defense

Its Purposes and a Brief Statement of its Work Accomplished and Under Way

Plan of Organization, Brief Resume of First Report of Executive Committee and Summary of Reports of Sub-Committees

Executive Committee:

Thomas E. Campbell, Governor
Dwight B. Heard, Chairman
D. T. MacDougal, Vice-Chairman
George H. Smalley, Secretary
R. E. Moore, Treasurer
Mrs. Pauline M. O'Neill
John C. Greenway
T. A. Riordan
L. H. Manning
D. H. Claridge
J. L. Donnelly
C. E. Mills

Headquarters:

Room 303, State House
Phoenix, Arizona

Compiled by Committee on Publications
Arizona Council of Defense

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FOREWORD

The war needs of the nation are men, food and money. It is the duty of our State Council of Defense, acting in complete co-operation with the National Council of Defense appointed by President Wilson, to supply promptly Arizona's quota of the men, money and food needed to win this war.

In the recently completed registration for the selective draft 36,932 men between twenty-one and thirty were registered within this state, exceeding the estimate for Arizona by 2,118.

The proportion of the Liberty Bond assigned to Arizona was \$5,000,000.00, and our subscriptions have exceeded this allotment by \$1,326,750.00.

At the request of the Executive Committee, the chairman of the State Council while in Washington, conferred with Secretary of Labor Wilson, urging that owing to the shortage of agricultural labor in the Southwest the illiteracy test and the per head tax as to Mexican labor be suspended, and am glad to advise you that the Secretary has already taken favorable action in this connection.

In every section of the state an organized practical drive is on for increased food production, and it is now evident that Arizona will produce more food this year than ever before in her history.

The boys in the high schools, ready and willing to do "their bit", are enlisting for agricultural service, and in Maricopa County nearly one hundred boys, divided into camps and under a well directed military system, are now making an excellent record for efficient field work. It is hoped to extend this boys work throughout the state.

The women of Arizona, with their usual energy and public spirit, are organized under the direction of our Committee on Food Production and Conservation, for increased thrift, conservation in the home, and the reduction of waste to a minimum.

Under the immediate direction of the State Council of Defense, a complete crop census of the state is being prepared and platted for use in this and future years.

The men of Arizona are now well organized for adequate home protection, and our transportation resources, including automobiles, have been thoroughly listed and placed in readiness for any emergency.

The relief work is well organized and the work of the Arizona Red Cross is said to be one of the best examples of efficiency in the entire country. While the Red Cross is organized as a separate national agency, our relief committee is prepared to assist the Red Cross in every way possible.

The State Council is doing its utmost to avoid wasted energy. At the start some overlapping of work naturally occurred. The needs of the work naturally change from day to day but we endeavor to meet them promptly as they arise. Much of that already accomplished has been by voluntary workers. As the work increases more paid workers will probably be needed and our financial committee are arranging a systematic plan involving the proportional distribution throughout the state of the cost.

The most crying need at present is to bring up the First Arizona Infantry to war strength, and it seems essential that a vigorous, systematic effort should be made by the Council of Defense to fill up this regiment by voluntary enlistment. Sixteen hundred men are needed. Unless these are supplied by August 5th we understand the regiment may be disbanded and we will be without a state regiment in the national army. Impartial reports indicate that the nucleus of this regiment now numbering 664 men, is a decided credit to the state, and ways and means should be at once devised to fill up this regiment. Pride in our state demands that we give our best efforts to this work.

On behalf of the Council of Defense I wish to thank the public spirited men and women of Arizona for the support given us. We welcome suggestions at any time from all citizens, and with the thorough co-operation of the people of Arizona hope to establish a record for real service.

Yours faithfully,

DWIGHT B. HEARD.

BRIEF RESUME OF FIRST REPORT OF EXECUTIVE COMMITTEE.

Accomplishments of the Arizona Council of Defense, its Executive Committee and its fifteen sub-committees since the Council was organized on April 18th, are set forth in the first report of the Executive Committee which may be summarized as follows:

The membership of the Council at this time includes about 200 men and women appointed by the Governor. Only five persons are on salary. The others are both giving their time to the work and paying their own expenses.

A secretary, statistician, engineer, stenographers and clerks are carrying on the daily work at the headquarters of the Council at the Capitol in Phoenix. In addition many volunteers are being called on daily to assist in the work. The Council is correlating all units which are working along lines of war preparedness in order that there shall be no over-lapping of work.

The Council is assisting in the mobilization of boys for farm labor and in the mobilization of Papago, Apache and Navajo Indians for farm work during the fall harvest when the boys return to school.

Prompt response is being made to all suggestions submitted by men and women in the state, with proper reference of the same to the National Defense Council where such suggestions embrace ideas which might be of benefit to the nation and all state councils of defense. The Council is classifying all offers of service for ready reference, and the chairmen of proper committees are informed of such offers.

Assistance was rendered to the State Registrar and all sheriffs of counties in the work preliminary to registration under the selective draft provision of the war army bill. In this connection circulars were printed in foreign languages and distributed throughout the state, informing foreigners of the requirements to register, but that only citizens of the United States would be drawn for service. This action was taken in order to stop the de-

parture of many foreigners who were needed in the state for labor on the farms and in the mines.

A complete crop census of the state is being made and platted maps of acreage in cultivation is first shown on the school district maps done by the field men, then the crops are platted in colors on the county map. This will not only give the exact actual present crop conditions but furnish a basis for most intelligent crop planting in 1918. The county agents are giving invaluable aid in this work and the results are being tabulated at the headquarters of the State Council of Defense by Mr. J. E. Sellers, an expert statistician.

The chairman of the Council has taken a keen personal interest in this work, and it is hoped to make this crop survey one of the most complete and comprehensive in the country. By this graphic method of presenting agricultural conditions one is able to secure, almost at a glance, the exact agricultural situation in every school district. As a definite illustration of the value of this map, plans are now under way to get all the grain lands in Maricopa County (nearly 30,000) into milo maize.

Increased food production will be a big factor in winning this war, and through this crop survey Arizona will be able to base its food production work on facts and not conjectures.

The Executive Committee of the Arizona Council of Defense took up the matter of exorbitant prices of food stuff and formulated a definite plan to curb and prevent such undue advantages. This work was carried on effectively and when the food bill of the congress becomes operative, much valuable information will be turned over to the Food Dictator.

Bankers throughout the state were appealed to directly, to extend financial assistance to the many land owners in Arizona, who are ready and willing to co-operate in the work of extending production, and they are complying with the request in a very liberal and public spirited way.

The enforcement of the new Immigration Law it was found would deprive Arizona of a great influx of labor

for farms and industries from Old Mexico. A resolution was adopted and telegraphed to Dwight B. Heard, who was at the time in Washington attending a meeting of the National Council of Defense, urging a modification in the operation of the new immigration law to such an extent that Arizona should not be deprived of laborers so necessary for farm work in the present war crisis. The matter was given favorable consideration by the Secretary of Labor and an order issued enabling laborers to come into this country under affidavit and surveillance, insuring the government that their labor will be given to the farms.

The Arizona Council of Defense took a prominent part in assisting in securing subscriptions to the Liberty Bonds, a publicity campaign for the bonds having been conducted by the committee throughout the state. The members of the Council were of great assistance in raising the Arizona quota of the Red Cross Fund. The bonds were over-subscribed in the state, and Arizona's Red Cross quota was exceeded.

The Woman's Auxiliary is now organized and doing effective work in Maricopa County. This branch of the work is being extended to all of the counties of the state under a plan of organization approved by Doctor von KleinSmid, chairman of the Committee on Food Production, Conservation and Distribution.

The chart to be found in the front of this booklet gives a brief but comprehensive outline of the plan of organization of the Arizona Council of Defense, together with the functions of the various sub-committees. The Executive Committee of the Council of Defense works directly with the National Defense Council and is co-operating with State Councils of Defense and all sub-committees of the Council are working in complete harmony. While a great deal of the work is done by chairmen of the sub-committees, there are many matters which must be passed on by the Executive Committee which meets on the call of the chairman at headquarters.

Mrs. Pauline M. O'Neill, chairman for Arizona of the Women's Committee of the National Defense Council, is

working in co-operation with the State Council, and had charge of the registration of women in Arizona in the campaign instituted by Herbert Hoover, chairman of the national committee on food conservation, to enlist all women in household saving.

There has been such a magnitude of detail work performed that it would burden this report to attempt to give a complete outline of all that has been accomplished by the Executive Committee. The funds for the support of the Council are being raised by popular subscription, and because of the lack of funds the work has been confined necessarily to only the most important problems.

In the event that the appeal of the Executive Committee for funds meets with the general response, the activities of the Council will be immediately extended to cover other important phases of war preparedness in Arizona.

COMMITTEE ON MILITARY TRAINING.

Col. Leroy Brown, Chairman, Tucson; Capt. F. M. Irish, Vice-Chairman, Tempe; Thomas H. Donahue, Inspiration; H. W. Heap, Prescott; T. P. Howard, Globe; Col. James H. McClintock, Phoenix; Capt. E. J. Mitchell, Prescott; Harry E. Pickett, Douglas; George Truman, Florence; John Twomey, Bisbee; R. B. Walton, Winslow.

Vice-Chairman Irish of the Committee on Military Training delivered a number of lectures on subjects of general preparedness and for meeting the present emergencies in securing competent members for the Officers' Reserve Corps. The chairman and the vice-chairman assisted applicants in presenting their applications for admission to the corps and examined candidates for the training camp at the Presidio.

This Committee has done everything possible to encourage enlistment in the First Arizona Infantry, and the various branches of the Army, Navy, and Marine Corps. The chairman of the Committee visited the training camp at the Presidio in the interests of Arizona men.

COMMITTEE ON PRODUCTION, CONSERVATION AND DISTRIBUTION OF FOOD SUPPLIES.

Dr. R. B. von KleinSmid, Chairman, Tucson; William H. Brophy, Bisbee; David Babbitt, Flagstaff; C. O. Case, Phoenix; Hugh E. Campbell, Flagstaff; J. B. Cook, Tempe; Dr. R. H. Forbes, Tucson; John C. Gatti, Clifton; L. L. Harmon, Phoenix; L. D. Johnson, Miami; A. A. Johns, Prescott; Andrew Kimball, Thatcher; A. H. Kent, Yuma; Walter C. Miller, Jerome; H. A. Morgan, Wilcox; Phil C. Merrill, Pima; Charles McArthur, Phoenix; Dr. Mary Lawson Neff, Phoenix; John P. Orme, Phoenix; William H. Robinson, Chandler; Albert Steinfeld, Tucson; E. F. Sanguinetti, Yuma; Joseph W. Smith, Snowflake; Leroy C. Snow, Thatcher; Frederick W. Taylor, Tucson; J. R. Treat, Florence; Joseph Udall, Eagar; A. T. Wilson, Clifton.

WOMAN'S AUXILIARY OF MARICOPA COUNTY.

Mrs. Charles H. Schulz, Chairman of Clearing House; Mrs. Gayle Allen Campbell, Chairman of Publicity; Mrs. Frank H. Parker, Chairman of Transportation; Mrs. H. A. Guild, chairman of Program and Meetings; Mrs. Olive A. Stark, Secretary and Treasurer.

Immediately upon organization, the Committee on Production, Conservation and Distribution of Foods cast about to discover any agencies already existing through which its projected work could be done most quickly and most effectively. In the absence of any considerable appropriation, it was necessary to carry on the work of the Committee very largely through agencies already financed and through organizations already equipped for service. The University of Arizona, with its College of Agriculture and its Agricultural Extension Service well established throughout the state, offered immediate advantages to the Committee and placed itself without reserve at the service of the Council. The following items were taken up immediately and considerable progress made:

1. By vote of the faculties of the University of Arizona, all students of whatever classification who would agree to enter some field of food production were released at once (May 1st), for such service; actual labor in the field being accepted in lieu of further work in completion of the year's courses. About thirty young men and women took advantage of this arrangement.

2. A pamphlet of general recommendations on ways and means to preserve the food supply in Arizona was immediately issued, some twenty-five thousand copies being distributed throughout the state.

Eighteen different bulletins mailed to all sections of the state to be posted in conspicuous places have at-

tracted the attention of farmers and housewives to the ways and means of increasing production and conserving food supply.

3. The Agricultural Extension Service, through its director; through its state leader in Home Economics, who was made director of woman's work throughout the state; through its leader of Boys' and Girls' Club Work; its County Agents in Maricopa, Cochise, Graham, Greenlee, Navajo and Apache counties, and through its Live Stock Specialist held meetings in all parts of the state to urge the necessity of increased production and to demonstrate ways and means of handling food to best advantage. New agents were placed in Pima, Pinal, Yavapai and Coconino counties to carry on this work while one additional assistant was employed in woman's work, and three were added to the staff carrying on work among Boys' and Girls' Clubs.

4. To augment this work referred to above, as well as to encourage enlistment and contributions along all lines of war work, this Chairman of the Committee filled speaking appointments in the following cities and towns: Phoenix (2), Tucson (2), Bisbee, Douglas, Casa Grande, Yuma, Prescott, Glendale, Thatcher, Safford, Ray, Williams, Globe, Miami and Clifton, meeting with most hearty support on the part of the local members of the Council of Defense, and enthusiastic hearing on the part of the audiences gathered for the exercises.

5. Considerable stimulus has been given to the growing of school gardens, while farm gardens grown by residents of the town have sprung up in many parts of the state. Conspicuous among these latter are those in the Miami district financed completely by the Inspiration Copper Company. A member of the University staff was sent into this section to live among the farms and to assist the gardeners in their work.

6. The work of organizing and superintending the Boys' Reserve Squads, at first under control of this Committee, has been relinquished to the State Director of Boys' work acting immediately under the Federal Department of Labor. The success of the State Director in this line of work has been most encouraging.

7. The crop survey work under the direct supervision of the Chairman of the Arizona Council of Defense, working to considerable extent with the organization of this Committee, has opened the way for a distinct success and a very valuable service.

8. Some work has been done among the Papago Indians to encourage the increase of acreage on their reservation.

9. When it has seemed unwise to go into the matter of seed distribution to a large extent in the absence of capital and facilities for handling seeds, individual members of the Committee have been able to bring into their sections, particularly at Flagstaff and Williams on the Santa Fe and Wilcox and Cochise on the Southern Pacific, car loads of potatoes and other needed seeds.

10. Distinct work has been accomplished among the range men in counteracting diseases among cattle and sheep, and encouraging the building of silos through which to tide over the extremely dry period when ordinarily thousands of animals die on the ranges.

11. Particularly in Maricopa County, through the co-operation of the women organized in auxiliary bodies, great quantities of fruit that otherwise would have been wasted have been saved for local consumption.

12. A great mass of correspondence seeking advice in matters of planting and care of crops has been answered or referred to proper authorities.

13. Many requests for assistance in the occupation of new lands, in the utilization of Indian lands, and in the extension of water service have been taken up through the proper channels with some degree of success or have been referred to other committees of the Council.

14. Investigations have been set on foot leading to a general survey of the labor situation in the state, only awaiting the Federal appropriation to complete this investigation. An agent will be placed in the field on full time.

15. The Chairman of this Committee has been able during the last six weeks to visit nearly every part of the state to investigate crop conditions, to talk intimately with farmers, merchants and professional men concern-



ORGANIZATION CHART OF THE ARIZONA COUNCIL

Call issued by the Governor to 50 prominent citizens to meet at State Capitol April 18, 1917, and perfect organization.

MEMBERS

Thomas E. Campbell, Governor
Dwight B. Heard, Chairman
Dr. D. T. MacDougal, Vice-Chairman
Mrs. Pauline M. O'Neill
John C. Greenway
John L. Donnelly
T. A. Riordan
D. H. Claridge
L. H. Manning
C. E. Mills

Walter S. Gifford, Director, Washington, D. C.

A

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PUBLIC DEFENSE AND SECURITY

John C. Greenway, Chairman;
Arthur Notman, Secretary.

FUNCTIONS

- (a) Registration for border duty;
- (b) Gather data on arms;
- (c) Plans for rescue work
- (d) Organize local defense;
- (e) Secret service;
- (f) Code system;
- (g) Signal corps;
- (h) Telephone, telegraph, wireless and radio methods;
- (i) Motor cycles for sending messages;
- (j) Confer with federal officers to avoid overlapping of activities.

MILITARY TRAINING

Col. Leroy Brown, U. S. A., Chairman;
F. M. Irish, Vice-Chairman.

FUNCTIONS

Encourage enlistments;
Training additional forces;
To consider form for creation of additional forces for home defense;
Training camps;
Consider universal training;
Co-ordination of military and quasi-military organizations;
Complete data as to armories, munition supplies;
Aviation, equipment and installation;
Signal Corps and communications;

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Railways:

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- (b) Ava
- (c) Mar
- (d) Aus
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PRODUCTION, CONSERVATION, ETC.

Dr. R. B. von KleinSmid, Chairman,
Tucson.

FUNCTIONS

- (a) Investigation of normal requirements of state for food—sources of supply;
- (b) Normal surplus of staples;
- (c) Facilities for holding reserves;
- (d) Estimate of current crop;
- (e) Animal food;
- (f) Possible substitute for food usually imported;
- (g) Conservation of foods and elimination of waste;
- (h) Advisability of land colonization.

PUBLICATIONS

Allan B. Jaynes, Chairman, Tucson.

FUNCTIONS

- (a) Circulation of literature to encourage food production and conservation;
- (b) General information to be promulgated upon request of any committee;
- (c) All publicity and printing;
- (d) Selection of material from sub-committees for publication.

PUBL

John H.

- (a) Eco
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1. Name of the person or organization
2. Address of the person or organization

3. City, State, and Zip Code

4. Date of the letter

5. Subject of the letter

6. Body of the letter
7. Closing of the letter
8. Signature of the person or organization

9. Enclosure
10. Postmark
11. Return address

12. Date of the letter
13. Subject of the letter

14. Body of the letter
15. Closing of the letter
16. Signature of the person or organization

17. Enclosure
18. Postmark
19. Return address

20. Date of the letter
21. Subject of the letter
22. Body of the letter
23. Closing of the letter
24. Signature of the person or organization



ORGANIZATION CHART OF THE ARIZONA COUNCIL OF DEFENSE SHOWING IN DETAIL FUNCTIONS OF SUB-COMMITTEES AND THEIR RELATION TO THE EXECUTIVE COMMITTEE

Call issued by the Governor to 50 prominent citizens to meet at State Capitol April 18, 1917, and perfect organization.

THE GOVERNOR OF ARIZONA
Appointment of all members of the Council direct, or upon recommendation of Chairman of the Council of Defense.

COUNCIL OF DEFENSE
Organization; selection of chairman; selection of chairmen of sub-committees; selection of Executive Committee; recommendations of Executive Committee to be passed upon if required.

Organization perfected April Nineteen, Nineteen Seventeen, at Phoenix; Dwight B. Heard, Chairman; George H. Smalley, Secretary.

EXECUTIVE COMMITTEE
Chosen by Council; reports to the Council, but has full power to act upon recommendations of chairmen of sub-committees; weekly reports to the Governor; appointment of Treasurer and Secretary; general executive powers.

R. E. Moore, Treasurer.
George H. Smalley, Secretary.

Co-operation with NATIONAL COUNCIL, Washington.

Co-operation with all State Councils of Defense.

SUB-COMMITTEES OF ARIZONA COUNCIL OF DEFENSE
Chairman chosen by Council; committee members recommended by the Council and chosen by Executive Committee, the Council confirming; power to recommend additions to committees given to the chairmen of respective committees, the Governor to appoint and the Chairman of the Council to designate to the proper committee upon consent of the chairman thereof; chairmen to report to the Executive Committee weekly.

Vacancies filled by Executive Committee.
Budget submitted to Executive Committee.

MEMBERS

Thomas E. Campbell, Governor
Dwight B. Heard, Chairman
Dr. D. T. MacDougal, Vice-Chairman
Mr. Pauline M. O'Neill
John C. Greenway
John L. Donnelly
T. A. Riordan
D. H. Claridge
L. H. Manning
C. E. Mills

Walter S. Gifford, Director, Washington, D. C.

A B C D E F G

PUBLIC DEFENSE AND SECURITY
John C. Greenway, Chairman;
Arthur Notman, Secretary.

FUNCTIONS

- Registration for border duty.
- Gather data on arms.
- Plans for rescue work.
- Organize local defense.
- Secret service.
- Code system.
- Signal corps.
- Telephone, telegraph, wireless and radio methods.
- Motor cycles for sending messages.
- Confer with federal officers to avoid overlapping of activities.

MILITARY TRAINING
Col. Leroy Brown, U. S. A., Chairman;
F. M. Irish, Vice-Chairman.

FUNCTIONS

- Encourage enlistments;
Training additional forces;
To consider form for creation of additional forces for home defense;
Training camps;
Consider universal training;
Co-ordination of military and quasi-military organizations;
Complete data as to armories, munition supplies;
Aviation, equipment and installation.
Signal Corps and communications;

TRANSPORTATION
Eben Randolph, Chairman, Tucson.

FUNCTIONS

- Railways—
(a) Their capacity;
(b) Availability;
(c) Maps showing routes;
(d) Auxiliary motor power;
(e) Fuel supply;
(f) Methods of meeting emergencies—distraction or disability of lines;
(g) Co-ordination of all lines;
(h) Transportation of perishable foods;
(i) Rapid mobilization of troops and supplies.

HIGHWAYS AND ROUTES OF TRAVEL
Lamar Cobb, Chairman, Phoenix.

FUNCTIONS

- Roads and highways of state;
- Projected roads;
- Maps of routes, bridges, tunnels, grades;
- Their relation to the other lines of transportation;
- Study of autobus, automobile and motor truck transportation;
- Team transportation, including listing of available horses and mules.

LABOR
John L. Donnelly, Chairman, Phoenix.

FUNCTIONS

- Mining;
- Agriculture;
- Live stock;
- Lumbering;
- Manufacturing;
- Transportation.

PUBLIC HEALTH AND SANITATION
Dr. R. N. Looney, Chairman, Prescott.

FUNCTIONS

- Co-ordination boards of health and health officers;
- "Clean-up" campaign in congested sections;
- Pure water supply;
- Municipal and camp sanitation.
- List of hospitals with number of beds;
- Ascertain location of temporary hospitals;
- Co-operate with Red Cross;
- Listing ambulances and means of transporting wounded;
- Organization first aid;
- Medical and surgical supplies;
- List physicians, nurses.

RELIEF
Judge E. W. Wells, Chairman, Prescott.

FUNCTIONS

- Care of families where head is in military service;
- Provision for care of permanently disabled in military service;
- Provision for persons compelled to abandon their homes on account of military necessity or threatened invasion.

H I J K L M N

PRODUCTION, CONSERVATION, ETC.
Dr. R. B. von Kleinsmid, Chairman, Tucson.

FUNCTIONS

- Investigation of normal requirements of state for food—sources of supply;
- Normal surplus of staples;
- Facilities for holding reserves;
- Estimate of current crop;
- Animal food;
- Possible substitute for food usually imported;
- Conservation of foods and elimination of waste;
- Advisability of land colonization.

PUBLICATIONS
Allan B. Jaynes, Chairman, Tucson.

FUNCTIONS

- Circulation of literature to encourage food production and conservation;
- General information to be promulgated upon request of any committee;
- All publicity and printing;
- Selection of material from sub-committees for publication.

PUBLIC REVENUE AND FINANCE
John H. Pace, Chairman, Phoenix.

FUNCTIONS

- Economy in public service;
- Measures to increase public revenue to meet war demands;
- Consideration of needed legislation to make it possible to meet exigencies.

MINES AND MANUFACTORIES.
C. E. Mills, Chairman, Inspiration.

FUNCTIONS

- Survey and listing of data on all mines and industrial plants in state;
- Possibilities for creating war equipment, munitions, including motor trucks, etc.;
- Sources of raw materials;
- Possibilities of producing necessities other than war supplies and equipment.

SCIENTIFIC RESEARCH
Dr. D. T. MacDougal, Chairman, Tucson.

FUNCTIONS

- Utilization of chemical laboratories for investigation purposes;
- Investigation of substitute foods;
- Special investigation referred from another sub-committee;
- Listing of scientific laboratories;
- Census of scientists in the state.

LAW
Wiley E. Jones, Chairman, Phoenix.

FUNCTIONS

- Advice to Council, or any committee, upon request of its chairman.

FEDERAL AND INTERSTATE RELATIONS
Geo. W. P. Hunt, Chairman, Phoenix.

FUNCTIONS

- Plan of work left to the chairman to formulate.



ing the needs of the hour and to lend what little assistance he might have at his command to make for an increase in production of food supplies.

Chairman von KleinSmid says that there seems to be a very general awakening to the demands forced upon us by war conditions. However, there needs to be a sterner realization of the urgency of our needs. There still go on those practices which make for inexcusable waste and which indicate failure to comprehend the real nature of our obligations. The Committee, through every agency at its command, is continuing to increase the crop output of the state, and welcomes suggestions and assistance from every possible source.

COMMITTEE ON LABOR.

John L. Donnelly, Chairman, Phoenix; Jack Angus, Tucson; L. S. Cates, Ray; H. A. Clark, Douglas; J. G. Compton, Tucson; J. E. Curry, Bisbee; John Christy, Clifton; George H. Dowell, Douglas; Thomas A. French, Phoenix; J. F. Mahoney, Winslow; C. E. Mills, Miami; Rev. William Scarlett, Phoenix; Robert E. Talley, Jerome; C. E. Tracy, Phoenix; Pasquale Vargas, Morenci.

At a meeting of the Executive Committee of the Defense Council a resolution was introduced by John L. Donnelly, Chairman of the Committee on Labor, calling for a conference of the mine managers and representatives of the mine workers. This resolution was referred to the Committee on Labor. A meeting of that committee was called by the chairman to consider the resolution. The members of this committee met at Phoenix, on May 17th. The chairman of the committee stated that in his opinion a state of discontentment and dissatisfaction was apparent throughout the copper camps of Arizona, and expressed the belief that such discontentment was in the main attributed to the fact that there was no method or means provided for such democratic expression of the mine workers' grievances. The resolution was tabled and the committee adjourned without taking any further action. This was the only matter submitted to the committee on labor.

COMMITTEE ON PUBLIC DEFENSE AND SECURITY.

Capt. John C. Greenway, Chairman, Warren; Arthur Notman, Secretary, Bisbee; Capt. J. L. B. Alexander, Phoenix; Fred Colter, Colterville; Raymond F. Ehrhart, Nogales; Charles O. Ellis, Douglas; G. A. Franz, Clifton; John F. Francis, Flagstaff; Mel Greenleaf, Yuma; Patrick Gettins, Phoenix; Dan L. Hogan, Flagstaff; Ed. Hughes, Tombstone; H. H. Head, Prescott; Rev. F. N. Johnson, Globe; C. M. Layton, Safford; R. Allyn Lewis, Phoenix; Dan A. Millett, Arlington; Capt. L. M. Mix, Nogales; Rye Miles, Tucson; Capt. Wm. McDermott, Tucson; Eugene Brady O'Neill, Phoenix; Fred Sutter, Bisbee; P. J. Sullivan, Yuma; S. O. Thompson, Florence; Mulford Winsor, Yuma; Carlton L. Wood, Phoenix; H. C. Wheeler, Tombstone; Geo. J. Stoneman, Phoenix.

The first task of the Committee on Public Defense and Security was to devise a plan of organization for local defense. At the time of the organization of the State Council of Defense, the Mexican situation was still threatening and this committee was one of the first to get into action. Less than two weeks after the organization of the Council this Committee met at Phoenix with almost a full membership present and adopted a plan of organization which has since been put into effect throughout the state. This plan calls for the appointment by the Mayors of incorporated towns and villages, and by the sheriff in isolated communities, of a committee of five members, the Mayor or sheriff himself being a member, which committee immediately appoints a local council of defense, consisting of seven members, the latter being a permanent organization. These local councils of defense have in turn appointed the following committees: Intelligence, Police, Law, Finance and External Defense.

The local committees on Intelligence are co-operating with the city police, sheriffs, transportation and mining companies and others in a position to gather information of acts or utterances unfriendly to the United States. These Intelligence Committees report direct to the nearest agent of the Department of Justice, who makes an investigation of the report.

The Police Committee, with the various city councils, prepare a list of dependable citizens who will volunteer for extra police duty in time of need. These men are organized, sworn in, instructed and equipped for service when needed for guarding water supplies, power plants, food supplies, and other institutions upon which the community depends for existence.

The Law Committees act in an advisory capacity to the other committees and keep thoroughly posted on the

proclamations issued by the president, governor or any army officer in their vicinity.

The Finance Committees are seeking equitable means of equalizing and meeting the expenses of defense work. In a number of instances arrangements for the purchase of rifles, machine guns, and ammunition have been made through city councils.

The Committee on External Defense selects the captain of the Home Guards, who is deputed by the sheriff of the county in order to legalize the organization. The Home Guards are divided into squads of eight men each; each member of a squad has a rifle, 200 rounds of ammunition, and a blanket at home for immediate use. Upon a prearranged signal of alarm, it has been arranged for each squad to report to the squad leader at a previously designated point. Assembled squads receive their instructions from the captain of the Home Guard. Upon this frame work has been built up effective defense organizations in all of the important incorporated towns and cities of the state.

The Committee on Public Defense and Security is also undertaking the task of having a complete military census taken in the various counties of the state, supplemental to the registration made by the Federal government for the selective draft. For this purpose blanks have been provided which give not only description of person registered, but his qualifications to serve the government or the state in any particular capacity during the war. The registration blank also shows what arms and ammunition, if any, he possesses, what his previous military service has been, and what languages he is able to speak. This committee has also compiled information as to where additional arms and ammunition, if necessary, can be secured, and the chairman of the committee is keeping in close touch with the chairmen of local committees and with captains of the Home Guards.

The Committee on Public Defense and Security has been doing everything in its power to encourage enlistment in the First Arizona Infantry, Captain Greenway co-operating with Governor Campbell and Chairman Heard.

COMMITTEE ON TRANSPORTATION.

Col. Epes Randolph, Chairman, Tucson; Neil Bailey, Prescott; R. D. Canfield, Phoenix; W. A. Drake, Prescott; Henry Heide, Winslow; Wesley Hill, Phoenix; F. B. King, Douglas; L. H. Manning, Tucson; P. Reisinger, Clifton; C. M. Scott, Phoenix; R. H. Tuttle, Winslow.

Probably the most exhaustive report prepared by any of the sub-committees of the Council is that of the Committee on Transportation. This report is in book form and in its preparation Colonel Randolph, the Chairman of the Committee, secured the co-operation of every member of his committee. C. M. Scott, member of this committee in Phoenix, rendered valuable assistance in the work.

This report gives in detail the exact mileage of all of the railroads in the state, the equipment in engines, passenger cars, baggage cars, freight cars, water cars, shops, and all the innumerable supplies used in the operation of great railroad systems. The report gives the location of all bridges and culverts, of all railroad stations and telegraph offices, the number of troops of each branch of the service that could be moved a given distance in a given time. Complete freight and passenger time tables of every line of railroad in the state are attached to the report. There is a map of every railroad in the state also included.

In addition, Colonel Randolph's committee, through Wesley Hill, one of the members, has listed all trucks, touring cars and roadsters over twenty-five horsepower in the state, available for voluntary service. This report is also submitted in book form by Colonel Randolph.

The report of the Transportation Committee enables the Arizona Council of Defense, the governor, or military authorities to answer immediately and without reference any inquiry from the War Department or the National Council of Defense relating to the transportation facilities of the state.

COMMITTEE ON RELIEF.

Judge E. W. Wells, Chairman, Prescott; Bishop Julius W. Atwood, Phoenix; H. C. Almy, Tombstone; Mrs. Joseph Clark, Mesa; Gordon Clark, Prescott; Mrs. E. W. French, Ray; Rev. John Frye, Bisbee; Mrs. Morris Goldwater, Prescott; Rev. Golden, Nogales; Roy S. Goodrich, Phoenix; Mrs. H. A. Guild, Phoenix; Mrs. J. D. Henderson, Phoenix; Dr. J. A. Ketcherside, Yuma; Mrs. Elizabeth W. Layton, Thatcher; J. W. Lesueur, Mesa; Mrs. H. A. Morgan, Willcox; Miss Jane Ryder, Tucson; Mrs. Michael Reardon, Clifton; Mrs. Joseph W. Smith, Snowflake; Rev. E. W. Simonson, Douglas; Judge J. M. Lally, Morenci; Miss Lella Spence, Prescott; Mrs. Gordon Tweed, Phoenix; Mrs. D. K. Udall, St. Johns; Father Cyprian Vabre, Flagstaff; Allen Ware, Kingman; Harry Welch, Phoenix; J. T. Whitney, Phoenix; Mrs. Sarah B. Moody, Thatcher.

Each county of the state has been assigned as a relief district by the Chairman of the Committee on Relief and a member of the Relief Committee in such county has been made chairman of the relief work there with authority to organize and carry on the work in the county in such a manner as will secure the best results, conferring from time to time with the chairman of the committee and evolving a system of co-operation that will ultimately make a successful working unit of the Council of Defense.

This committee is co-operating with the Red Cross forces in every county of the state and will work in conjunction with this organization in caring for dependent families of soldiers at the front. In some of the counties provision is being made in the budget for a large additional amount for carrying on this work. In a number of the counties members of the Relief Committee are officials of the Red Cross organization and the work of the Relief Committee and the Red Cross is being carried on jointly.

While seventy-five per cent of the Red Cross fund raised in the state will remain in Arizona to be administered by local committees for the relief of dependent soldiers' families, it is realized that this fund may not be sufficient to meet the needs and for this reason boards of supervisors are including additional sums for this purpose in the 1917-18 budget. Thus the burden of relief work will be equitably distributed among all the taxpayers.

COMMITTEE ON PUBLIC HEALTH AND SANITATION.

Dr. R. N. Looney, Chairman, Prescott; Dr. J. E. Bacon, Miami; Dr. William Bouldin, St. Johns; Dr. L. A. W. Burtch, Clifton; Dr. Meade Clyne, Tucson; Dr. R. W. Craig, Phoenix; Dr. F. W. Chenoweth, Nogales; Dr. John W. Flinn, Prescott; Dr. G. Huffman, Florence; Dr. J. N. Haywood, Thatcher; Mrs. Pauline M. O'Neill, Phoenix; Dr. E. Payne Palmer, Phoenix; Dr. O. B. Patton, Ajo; Dr. R. O. Raymond, Flagstaff; Dr. F. H. Redewill, Phoenix; Dr. C. E. Rooney, Yuma; Mrs. W. O. Schlueter, Winslow; Dr. F. S. Shine, Warren; Dr. A. L. Tilton, Kingman; Major C. E. Yount, Naco.

The principal work of the Committee on Public Health and Sanitation has been the compiling of a report showing the number and location of all hospitals in the state, the number of beds in each, the location of available temporary hospitals which might be used in connection with the Red Cross; the name, address and telephone number of every person connected with "first aid to the injured"; the name, address and telephone number of every physician and surgeon, who will give his services when needed; the name, address and telephone number of every nurse; the location of all medical and surgical supplies within the state, the amount thereof and how they may be obtained.

While the committee has not entirely completed this work, due to the fact that it calls for a medical census of the entire state, it has gone so far as to complete the list of hospitals and the number of beds in each with lists of Red Cross workers, physicians, surgeons, and nurses available for service in the time of need, and hundreds of names of persons who have taken the first aid work in Arizona.

COMMITTEE ON MINES AND MANUFACTORIES.

C. E. Mills, Chairman, Inspiration (Miami); W. C. Browning, Superior; M. Curley, Ajo; E. M. Colvocoresses, Humboldt; S. W. French, Douglas; B. B. Gottsberger, Miami; M. H. McLean, Morenci; D. R. Muir, Goldroads; A. G. McGregor, Warren; A. R. Nickerson, Williams; Edward Titcomb, Nogales; W. B. Twitchell, Phoenix; Lawrence J. Harris, Phoenix.

Due to the fact that the manufacturing industry of the state consists almost solely in the production of copper, there has been very little for this committee to undertake, but reports have been compiled from all of the mines of the state showing just what measures have been taken to safe-guard mines and reduction work.

COMMITTEE ON SCIENTIFIC RESEARCH.

Dr. D. T. MacDougal, Chairman, Tucson; Dr. A. E. Douglas, Tucson; Dr. H. W. Henrie, Bisbee; H. Hollis, Douglas; Dr. H. B. McCallum, Continental; Dr. Forest Shreve, Tucson; Dr. V. M. Slipper, Flagstaff; Dr. H. A. Spoehr, Tucson; H. A. Tobelman, Cornelia; Dr. Warner Watkins, Phoenix; Prof. C. F. Willis, Tucson; Dr. H. W. Fenner, Tucson.

More than a score of scientists of the state, among them some of the best known scientists in their particular line of work in the country, have been mobilized by Dr. D. T. MacDougal, Chairman of this committee, who is also an active member of the California Council of Defense, and who is serving on research committees, advisory to the National Council of Defense.

Professor Charles F. Willis, Secretary of this Committee and Director of the Arizona Bureau of Mines, immediately set about gathering information relative to the scientists and scientific laboratories available within the state. A special blank form was prepared for both scientists and those at the head of the scientific laboratories, and the response to this was very gratifying. While this census of Arizona scientists is not entirely completed, it has demonstrated that there are about twelve hundred scientists in the state, ready, willing and anxious to serve in any capacity for which their training fits them.

This committee has also ascertained that there are in Arizona over two hundred laboratories of all kinds, including chemical, metallurgical, botanical, pathological, hospital and others which are available for use. A number of these laboratories are already at work on problems of immediate concern in connection with the war conditions.

Probably one of the most important phases of the work of this Committee has been the examination of suggestions, criticism or approval of many plans and materials which are aimed to assist in sub-marine warfare. One of these has been turned over to the Federal government for further information. Metallurgical research by members of the committee and by co-operators is already under way, and while it is not possible to report definite results, a great deal is being accomplished in the way of preparation to meet emergencies.

COMMITTEE ON PUBLICATIONS.

Allen B. Jaynes, Chairman, Tucson; Charles H. Akers, Phoenix; Fred Breen, Flagstaff; George H. Kelly, Douglas; James H. McClintock, Phoenix; P. R. Milnes, Prescott.

The newspapers of the state were prompt to tender their services to the Arizona Council of Defense and have been most liberal in giving space to the articles telling of the activities of the Council and supplied by the Committee on Publications. This committee is sending out publicity on the defense work almost daily to fifty-six daily and weekly newspapers within the state, to officials of the Defense Council and to the publicity committee of the National Council of Defense and of the state councils in all of the states where the same have been organized.

The Committee on Publications conducted a campaign in the newspapers of the state for the sale of Liberty Bonds, sent out the advance notices of the meetings held in many cities and towns under the auspices of the state Council of Defense, and is keeping the newspapers advised of the activities of each of the sub-committees.

The committee on publications wishes to take this opportunity to publicly acknowledge the many tenders of hearty co-operation received from editors all over the state in response to an inquiry as to whether they would be willing to publish without charge the articles on defense work furnished by this committee, and to publicly thank them for the splendid service which they are rendering the cause.

COMMITTEE ON LAW.

Wiley E. Jones, Chairman, Phoenix; Thomas A. Flynn, Phoenix; Frank O. Smith, Prescott; Walter Shute, Globe; Richard E. Sloan, Phoenix.

Only one matter has been submitted to the Committee on Law for decision. This question is the authority of the Board of Supervisors to appropriate from county funds a proportionate share of the amount which it is proposed to raise annually for the Council of Defense. The committee has not yet rendered an opinion on this subject.

COMMITTEE ON HIGHWAYS AND ROUTES OF OF TRAVEL.

Lamar Cobb, Chairman, Phoenix; Gustav Becker, Springerville; Edwin Babbitt, Flagstaff; Dr. A. J. Chandler, Chandler; Thomas Devine, Kingman; W. J. Ellery, Miami; John Guthrie, Flagstaff; Lin Orme, Phoenix; Joe Prochaska, Miami; John C. Ryan, Warren; William Stephens, Prescott; Dr. Forest Shreve, Tucson; R. J. Young, Safford.

This Committee is engaged in preparing a map of Arizona which will show all public highways, together with grades, curvatures and other data. Each County Engineer is assisting in this work by supplying the information requested and the map will be completed under the direction of Chairman Cobb. This will be the most comprehensive road map ever prepared in the state, and will be of invaluable use for the military as well as the Council of Defense. Several months will be required to complete this work.

COMMITTEE ON FEDERAL AND INTERSTATE RELATIONS.

G. W. P. Hunt, Chairman, Phoenix; Henry F. Ashurst, Prescott; Carl Hayden, Tempe; Joseph H. Kibbey, Phoenix; Mark A. Smith, Tucson; W. H. Sawtelle, Tucson.

While the work of the Committee on Federal and Interstate Relations is necessarily limited, Honorable George W. P. Hunt, Chairman of this committee has been in correspondence with the government and with Arizona's representatives in Congress, and is in touch with the National Defense Council and the defense councils of the other states in the Union, correlating the work as fast as possible.

COMMITTEE ON PUBLIC REVENUE AND FINANCE.

John H. Page, Chairman, Phoenix; Bracy Curtis, Nogales; Mike J. Cunningham, Bisbee; James S. Douglas, Douglas; W. H. Daggs, Winslow; R. N. Fredericks, Prescott; Lorenzo Hubbell, Ganado; Ernest F. Kellner, Superior; H. W. Lewis, Jerome; H. McLane, Morenci; H. J. McClung, Phoenix; George Michelson, Yuma; R. E. Moore, Phoenix; S. Oberfelder, Phoenix; T. E. Pollock, Flagstaff; W. W. Pace, Thatcher; W. K. Ridenour, Kingman; McDonald Robinson, Williams; Charles F. Solomon, Tucson; J. G. Spangler, Mesa; J. D. Wick, Globe; G. A. Keyes, Winslow.

This committee is composed of twenty-one members of the Council of Defense, at least one member from each

of the counties in Arizona, with the chairman a resident of Phoenix, which enables him to keep in close touch with the headquarters office at the State House.

There are several lines of work that this committee should undertake, but the first and most important matter is to raise at once the amount necessary in order that the headquarters office and all of the sub-committees can proceed in the work already under way and make plans for further necessary work with the funds to meet the expenses actually provided. In many states the legislatures have already appropriated large sums for their Councils of Defense but the Arizona Council decided that a big appropriation was not essential, that results could be accomplished mainly by volunteer workers. It was desired to avoid the necessity for calling a special session of the Arizona Legislature to provide for the necessary expenses of the Council, for the expense of such session would amount to nearly as much as is needed for the actual work.

The expenses of the Arizona Council of Defense prior to July first were met by individual contributions, aggregating a little less than \$5,000, from many patriotic and public spirited citizens and corporations who immediately realized the necessity for this organization. It was then estimated that an additional \$25,000 would be necessary to cover the expenses for the new fiscal year. This amount was apportioned to the different counties on the basis of taxation and the committee members in each county are attending to the matter of raising their county's allotment.

Two different methods are being followed in the several counties, according to conditions, one by securing subscriptions from as many taxpayers as possible, and the other by direct appropriation by the Boards of Supervisors, which will result in every taxpayer bearing his equitable proportion. It is hoped and expected that the entire \$25,000 will be subscribed in a very short time, which will make it possible for the Arizona Council to proceed with the knowledge that funds are available to pay all authorized expenses as they are incurred.



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